

Amendments to the Claims:

1. (Currently Amended) A device for exchange and/or reaction between at least two fluids, characterized in that it comprises at least a first spacer[[(1;21;41;61)]], of a selected thickness and including side walls defining a first chamber [[(2;22;45;62)]] fitted with a center ~~centre~~ part at least partly recessed for the flow of a first fluid, and at least one second chamber [[(6;28;46;66)]] for the flow of a second fluid, the said first and second chambers being separated by a first exchange wall [[(11;26;42;64)]] suitable for an exchange and/or a reaction between fluids, of the thermal type and/or by mass transfer.

2. (Currently Amended) A device according to Claim 1, characterized in that a first side wall [[(26;42)]] of the first spacer [[(21;41)]] is closed so as to form the said first exchange wall and present an outer face adapted to cooperate with a plate [[(32;53)]] so as to jointly define the said second chamber [[(28;46)]], said first spacer, or said first spacer and said plate, defining a modular processing block [[(Bi)]].

3. (Currently Amended) A device according to Claim 2, characterized in that it comprises at least two blocks [[(Bi)]] the first spacer of which [[(21)]] comprises a second opened side wall [[(27)]], parallel or inclined related to the first closed side wall [[(26)]], and arranged to be closed by a plate [[(32)]] of another block.

4. (Currently Amended) A device according to Claim 2, characterized in that it comprises another first spacer [[(41)]] the outer face of the first exchange wall [[(42)]] of which is destined to be tightly sealed by the said plate [[(53)]] so as to define another second chamber [[(46)]], the said first spacers [[(41)]] and the said plate [[(53)]] defining a modular processing overblock.

5. (Currently Amended) A device according to Claim 1, characterized in that it comprises at least two first spacers [[(41)]] having at least one first closed side wall [[(42)]] so as to form a first exchange wall adapted to define with another first exchange wall [[(42)]] a second chamber [[(46)]], the said first spacers so defining a modular processing block.

6. (Currently Amended) A device according to Claim 5, ~~characterised~~ characterized in that it comprises at least two blocks $[(Bi)]$ the first spacers $[(41)]$ of which each comprises a second side wall $[(43)]$ placed opposite a first side wall $[(42)]$ and closed so as to form a second exchange wall, each second exchange wall $[(42)]$ being adapted to define with another second exchange wall $[(42)]$ another second chamber $[(46)]$.

7. (Currently Amended) A device according to Claim 5 ~~one of the claims 5 and 6~~, characterized in that it comprises a diaphragm inserted between two successive first spacers to subdivide the second chamber into two parts, the said diaphragm forming the exchange wall.

8. (Currently Amended) A device according to Claim 1, characterized in that the first spacer $[(61)]$ comprises a first opened side wall, and in that it comprises at least a first $[(64)]$ and a second $[(65)]$ plates arranged to jointly define the said second chamber $[(66)]$, the first plate $[(64)]$ being additionally destined to close the said first opened side wall by forming the said first exchange wall, and the said first spacer $[(61)]$ and the said first $[(64)]$ and second $[(65)]$ plates so defining a modular processing block $[(Bi)]$.

9. (Currently Amended) A device according to Claim 8, characterized in that it comprises at least two blocks $[(Bi)]$ the first spacers $[(61)]$ of which each comprises a second opened side wall, placed opposite a first opened side wall, and suitable to be tightly closed by a second plate $[(65)]$ of another block.

10. (Currently Amended) A device according to Claim 1 ~~one of the claims 1 to 9~~, characterized in that the first exchange wall $[(11)]$ is a diaphragm.

11. (Currently Amended) A device according to Claim 1, characterized in that it comprises a second spacer $[(7)]$ of a selected thickness and including side walls defining the said second chamber $[(6)]$, at least partly recessed for the flow of a second fluid, the said first $[(1)]$ and second $[(7)]$ spacers having a first opened side wall $[(12)]$, the said first opened

walls of the first and second spacers being destined to be placed one facing the other by inserting a separation diaphragm or a plate $[(11)]$ forming the said first exchange wall, and the said first $[(1)]$ and second $[(7)]$ spacers and the said diaphragm or plate $[(11)]$ defining a modular processing block $[(Bi)]$.

12. (Currently Amended) A device according to Claim 11, characterized in that it comprises at least two blocks $[(Bi)]$ the first spacers $[(1)]$ of which each comprises a second opened side wall, placed opposite a first side wall $[(12)]$, and suitable to be placed opposite a second side wall of another block by inserting another diaphragm or a plate.

13. (Currently Amended) A device according to Claim 2 ~~one of the claims 2 to 12,~~ ~~characterised~~ characterized in that at least some of the plates $[(11;32;53;64,65)]$ forming an exchange wall are fitted with fluid disturbing devices.

14. (Original) A device according to Claim 13, characterized in that at least some of the disturbing devices are plate surface deformations.

15. (Currently Amended) A device according to Claim 13 ~~one of the claims 13 and 14,~~ ~~characterised~~ in that at least some of the disturbing devices are elements inserted on the plate.

16. (Currently Amended) A device according to Claim 1 ~~one of the claims 1 to 15,~~ characterized in that at least some of the first spacers comprise a wall $[(110)]$ destined to subdivide their first chamber into two parts.

17. (Currently Amended) A device according to Claim 1 ~~one of the claims 1 to 16,~~ ~~characterised~~ characterized in that at least one of the spacers includes means of injection $[(100-103)]$ arranged to inject at least a third fluid into the chamber of the said spacer.

18. (Currently Amended) A device according to Claim 1 ~~one of the claims 1 to 17~~, characterized in that at least one of the spacers comprises three upper apertures and three lower apertures for supplying three fluids, and a collection of the said three fluids.

19. (Currently Amended) A device according to Claim 1 ~~one of the claims 1 to 18~~, characterized in that at least one of the spacers includes one inserted element $[(14)]$ selected from a group ~~comprising~~ consisting of a processing material, a vortex generator, a fluid flow guide and a stirrer.

20. (Currently Amended) A device according to, Claim 19, ~~characterised~~ characterized in that the processing material is a metallic foam.

21. (Currently Amended) A device according to Claim 19 ~~one of the claims 19 and 20~~, characterized in that the processing material is selected from a catalytic foam and a catalytic liner.

22. (Currently Amended) A device according to Claim 1 ~~one of the claims 1 to 21~~, characterized in that at least one of the spacers $[(61)]$ is constituted of the assembly of at least two sub-spacers $[(61 a, 61 b)]$.

23. (Currently Amended) A device according to Claim 2 ~~one of the claims 2 to 22~~, characterized in that it includes at least two blocks $[(Bi)]$ or modular parallel overblocks, serially mounted so that an outlet of a first chamber of one of the blocks supplies with a first fluid the inlet of a first chamber of another block or overblock and that an outlet of a second chamber of one of the blocks or overblocks supplies with a second fluid an inlet of a first chamber of another block or overblock.

24. (Currently Amended) A device according to Claim 2 ~~one of the claims 2 to 23~~, characterized in that it comprises least two blocks $[(Bi)]$ or modular overblocks, the chambers of which comprise at least one first inlet and one outlet, and the said blocks or overblocks being

mounted in parallel so that all the first inlets are jointly supplied with a first fluid a distributor and all the outlets supply a manifold.

25. (Currently Amended) A device according to Claim 1 ~~one of the claims 1 to 24~~, ~~characterised~~ characterized in that the said second fluid is a heat conductor fluid or a secondary refrigerant fluid.

26. (Currently Amended) An application of the device according to Claim 1 ~~one of the previous claims~~ to thermal and/or chemical processing of a first food or chemical fluid.

27. (Currently Amended) An application of the device according to Claim 1 ~~one of the claims 1 to 25~~ for the separation of the components of a first complex fluid.